

2AZ-FE LUBRICATION

SERVICE DATA

OIL PRESSURE

Condition	Specified Condition
Idle	29 kPa (0.3 kgf/cm ² , 4.3 psi) or more
3,000 rpm	160 to 539 kPa (1.6 to 5.5 kgf/cm ² , 23 to 78 psi)

OIL PUMP

Item	Condition	Specified Condition
Oil pump rotor	Standard side clearance	0.100 to 0.170 mm (0.0039 to 0.0067 in.)
	Maximum side clearance	0.325 mm (0.0128 in.)
	Standard tip clearance	0.080 to 0.160 mm (0.0031 to 0.0063 in.)
	Maximum tip clearance	0.35 mm (0.0138 in.)
	Standard body clearance	0.100 to 0.170 mm (0.0039 to 0.0067 in.)
	Maximum body clearance	0.325 mm (0.0128 in.)
Oil pump drive chain	Maximum chain elongation	52.4 mm (2.063 in.)
Oil pump sprocket	Minimum crankshaft sprocket diameter (with chain)	48.2 mm (1.898 in.)
	Minimum oil pump drive shaft sprocket	48.2 mm (1.898 in.)
Chain tensioner plate	Maximum wear	0.5 mm (0.020 in.)

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TORQUE SPECIFICATIONS

OIL FILTER

Part Tightened	N*m	kgf*cm	ft.*lbf
Oil filter x Stiffening crankcase	17.2	175	13
Oil drain plug x Oil pan	40	408	30

OIL PUMP

Part Tightened	N*m	kgf*cm	ft.*lbf
Oil pump cover x Oil pump	8.8	90	78 in.*lbf
Oil pump relief valve x Oil pump	49	500	36
Oil pump strainer x Oil pump	8.8	90	78 in.*lbf
Oil pump X Cylinder block	19	194	14

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